

MEL'MAN, Ye.P. (USSR, g.Stanislav, ul. Franko, d.44, kv.4)

Structure and functional importance of the superior hypogastric plexus [with summary in English]. Arkh.anat.gist. 1 embr. 35 no. 3:29-37 Ky-Je '58 (MIRA 11:7)

1. Kafedra normal'noy anatomii (zav. - prof. Ye. P. Mel'man)
Stalinalavskogo meditsinskogo instituta.
(GANGLIA, AUTONOMIC
superior hypogastric plexus, morphol. & funct.,
review (Rus))

MEL'MAN, Yu.P.; KAPSKAYA, Ye.I. [Kaps'ka, Ye.O.]; KLIPICH, V.I. [Klypych, V.I.]

Mechanism of interoceptive influences from organs of the lesser pelvis on stomach and kidneys. Report No.1: Conduction of afferent impulses through hypogastric nerves. Fiziol.zhur. [Ukr.] 5 no.4:461-470 J1-Ag '59. (MIRA 12:11)

1. Stanislavskiy meditsinskiy institut, kafedry normal'noy anatomii, normal'noy fiziologii i gosital'noy khirurgii.
(VISCERA--INNERVATION)

MEL'MAN, Ya.P.; ROTENBERG, D.L.

Differential diagnosis of some pathological states of the stomach
by means of angiographic studies (experimental study). Vrach.delo
no.10:1041-1045 0 '59. (MIRA 13:2)

1. Kafedra anatomii (zaveduyushchiy - prof. Ye.P. Mel'man) i kafedra
obshchey khirurgii (zaveduyushchiy - prof. D.L. Rotenberg) Stanislav-
skogo meditsinskogo instituta.
(PEPTIC ULCER) (STOMACH--CANCER) (ANGIOGRAPHY)

RAYTSES, V.S. (Stanislav, ul.Pushkina, d.28, kv.8); MEL'MAN, Ye.P. (Stanislav, ul.Franko, d.44, kv.4)

Some data on the effect of collateral circulation on gastric vascularization and evacuatory motor activities. Arkh.anat., gist. i embr. 36 no.6:60-67 Je '59. (MIRA 12:9)

1. Kafedra normal'noy fiziologii (zav. - dotsent V.S.Raytses)
i kafedra normal'noy anatomii (zav. - prof.Ye.P.Mel'man)
Stanislavskogo meditsinskogo instituta.
(STOMACH, physiol.
eff. of collateral circ. on motor activity &
vascularization (Rus))

MEL'MAN, Ye.P. (Stanislav, ul.Franko, d.44, kv.4)

Scientific legacy of V.P.Vorob'ev and its further creative development; on the publication of "Selected Works" of V.P. Vorob'ev. Arkh.anat.gist. i embr. 37 no.7:109-116 J1 '59. (MIRA 12:10)

1. Kafedra normal'noy anatomii (zav. - prof.Ye.P.Mel'man)
Stanislavskogo meditsinskogo instituta.

(ANATOMY)

(BIOGRAPHIES)

MEL'MAN, Ye.P. (Stanislav, ul. Franko, 44, kv.4)

Peculiarities of compensation in circulatory disorders of the
vascular basin of the pelvis. Arkh.anat.gist.i embr. 37 no.11:
75-84 N '59. (MIRA 13:4)

1. Kafedra normal'noy anatomii (zaveduyushchiy - prof. Ye.P.
Mel'man) Stanislavskogo meditsinskogo instituta.
(PELVIS blood supply)

MEL'MAN, Ye.P. [Mel'man, I.U.P.]; DOLISHNIY, N.V. [Dolishnii, M.V.]

Variable structure and graded gradient of mural neural elements
of the gastrointestinal tract. Dop.AN USSR no.7:965-969 '60.
(MIRA 13:8)

1. Stanislavskiy meditsinskiy institut. Predstavleno akademikom
AN USSR V.G.Kas'yanenko [V.H.Kas'ianenko].
(DIGESTIVE ORGANS--INNERVATION)

^{Ye.}
MEL'MAN, Ye.P.; DRIN', M.M.

Anatomical and physiological basis and experience in the use of
a novocaine block below the stomach for anesthesia in labor.
Ped., akush. i gin. 22 no.3:54-57 '60. (MIRA 14:4)

1. Kafedra anatomii (zav. - prof. Yu.P.Mel'man) i kafedra akusherstva
i ginekologii (zav. - prof. O.V.Anisimov) Stanislavskogo meditsin-
skogo instituta (direktor - dotsent G.O.Babenko [H.O.Babenko]).
(NOVOCAINE) (ANESTHESIA IN OBSTETRICS)

DZHAVAKHISHVILI, N.A.; KUL'CHITSKIY, K.I.; MEL'MAN, Ye.P.

All-Union Conference on the Experimental Morphology of the Heart
and Vessels. Arkh anat. gist i embr. 38 no. 6:117-122 Je '60.
(MIRA 13:12)

(CARDIOVASCULAR SYSTEM)

MEL'MAN, Ye.P. (Stanislav (obl.), ul. Franko, 44, kv.4)

V.N.Tonkov's "Selected works" and the further development of his
approach in functional anatomy. Arkh.anat.gist.i embr. 39 no.7:
101-108 J1 '60. (MIRA 14:5)

1. Kafedry normal'noy anatomii (zav. - prof. Ye.P.Mel'man) Stanislav-
skogo meditsinskogo instituta.
(ANATOMY) (TONKOV, V.N.)

MEL'MAN, Ye.P.

Fedor Andreevich Volynskii; on his 70th birthday. Arkh.anat.gist.
i embr. 39 no.9:122-125 8 '60. (MIRA 14:1)
(VOLYNSKII, FEDOR ANDREEVICH, 1890-)

MEL'MAN, Ye.P.; KAPSKAYA, Ye.I.

Extraspinal pathways of the reflex interrelationship of the
large and small intestine. Biul. eksp. i biol. med. 50
no. 8:28-32 Ag '60. (MIRA 13:10)

1. Iz kafedry anatomii (zav. - prof. Ye.P. Mel'man) i kafedry
fziologii (zav. - dotsent V.S. Raytses) Stanislavskogo meditsin-
skogo instituta (dir. - dotsent G.A. Babenko). Predstavlena
deystv. chlenom AMN SSSR V.N. Chernigovskim.
(INTESTINES--INNERVATION) (REFLEXES)

✓
MEL'MAN, Ye.P. (Stanislav, ul. Franko, 44, kv.4)

Extracentral reflex connections of the organs of the abdominal and pelvic cavities (the problem of afferent functions of the vegetative nervous system). Arkh. anat. gist. i embr. 40 no.6:3-22 Je '61.

1. Kafedra normal'noy anatomii (zav. - prof. Ye.P.Mel'man) Stanislavskogo meditsinskogo instituta.

(ABDOMEN INNervation) (PELVIS INNervation)
(NERVOUS SYSTEM, AUTONOMIC)

MEL'MAN, Ye.P.; DOLISHNIY, N.V.; MASLENNIKOVA, L.D.; Prinsipal uchastiye
KRAMANYUK, M.Yu., student

Interrelation between the structural characteristics, the
gradient of intraorganic neural elements along the intestinal
tube and its motor functions. Arkh. anat., gist. i embr. 43
no.8:53-63 Ag '62. (MIRA 17:8)

L. Kafedra normal'noy anatomii (zav. -- prof. Ye.P. Mel'man)
Stanislav'skogo meditsinskogo instituta.

MEL'MAN, Ye.P. (Stanislav (obl), ul. Franko, 44, kv.4)

B.A. Dolgo-Saburov---one of rhw outstanding representatives of
Soviet functional anatomy. Arkhiv. anat. gist. i embr. 43 no.
10:115-120 0'62. (MIRA 17;6)

1. Kafedra anatomii (zav. - prof. Ye.P. Mel'man) Stanislavskogo
meditsinskogo instituta.

ROTENBERG, D.L.prof.; MEL'MAN, Ye.P., prof.; MAKSIMUK, Yu.A.

Respiratory properties of the blood in conditions of collateral circulation in the pulmonary tissue. Vrach. delo no.8:78-81 Ag'63. (MIRA 16:9)

1. Kafedry obshchey khirurgii (zav. - prof. D.L.Rotenberg) i normal'noy anatomii (zav. - prof. Ye.P.Mel'man) Ivano-Frankovskogo meditsinskogo instituta.
(PULMONARY CIRCULATION)

MEL'MAN, Ye.P. (Ivano-Frankovsk, ul. Franko, 44, kv.4); SHEVCHUK, M.G.
(Ivano-Frankovsk, ul. Razumovskogo, 16, kv.2)

Anatomical and functional evaluation of the effect of the exclusion of the internal thoracic arteries on the revascularization of the myocardium in an experiment. Arkh. anat., gist. 1 embr. 44 no.2:46-57 F '63. (MIRA 17:2)

1. Kafedra normal'noy anatomii (zav. - prof. Ye.P. Mel'man)
Ivano-Frankovskogo meditsinskogo instituta.

MEL'MAN, Ye.P.; RAYTSES, V.S.; SOPIL'NIK, A.Yu.

Roentgenological data on the evacuating motor activity of the stomach in an experimental disorder of blood circulation.

Vrach. delo no.2:23-30 P'64

(MIRA 17:4)

1. Kafedra ~~normal'~~noy anatomii (zav. - prof. Ye.P. Mel'man)
i kafedra ~~normal'~~noy fiziologii (zav. - dotsent V.S. Raytses)
Ivano-Frankovskogo meditsinskogo instituta.

AVIOSOR, M.L.; BOBER, I.P.; MEL'MAN, Ye.P.; SOPIL'NIK, A.Yu.

Relation of the degree of experimental disorders of the arterial supply of the liver to peripheral blood proteins. Pat. fiziol. i eksp. terap. 8 no.4:42-47 J1-Ag '64. (MIRA 18:2)

1. Kafedra fakul'tetskoy terapii (zav.- prof. M.L. Aviosor)
i kafedra normal'noy anatomii (zav.- prof. Ye.P. Mel'man)
Ivanovo-Frankovskogo meditsinskogo instituta.

MEL'MAN, Ye.P.; KARPLYUK, Z.V.; KLIPICH, V.I.; KOTURBASH, T.V.; KHANANAYEV, I.I.

Effectiveness of revascularization of the testis by the directed change of their blood supply; experimental study. Urologiya. 29 no.3:16-21 My-Je '64. (MIRA 18.10)

1. Kafedra anatomii (zav.- prof. Ye.P. Mel'man), gospi'tal'nyy khirurgicheskaya klinika (zav.- prof. S.A. Verkhvatskiy, kafedra biokhimii (zav.- doktor med. nauk G.A. Babenko) i kafedra topograficheskoy anatomii s operativnoy khirurgiyey (zav.- prof. L.A. Nikol'skaya) Ivano-Frankovskogo meditsinskogo instituta.

MEL'MAN, Ye.P.; SOPIL'NIK, A.Yu.; AVIOSOR, M.L.; BOBER, I.P.

Structural changes in the arterial bed of the dog liver and dynamics of some of its functional indices in experimental ischemia. Arkh. anat., gist. i embr. 47 no.10:23-35 0 '64.

(MIRA 18:6)

1. Kafedra normal'noy anatomii (zav. - prof. Ye.P.Mel'man) i kafedra fakul'tetskoy terapii (zav. - prof. M.L.Aviosor) Ivano-Frankovskogo meditsinskogo instituta.

AVIOSOR, M.L., prof.; BOBER, I.P., MEL'MAN, Ye.P., prof.; SHEVCHUK, M.G.

Dynamics of some biochemical indices of the blood in experimental myocardial infarction in dogs. Kardiologiya 5 no.1:71-72
J&-F '65. (MIRA 18:9)

1. Kafedra fakul'tetskoy terapii (zav.-- prof. M.L. Aviosor)
i kafedra normal'noy anatomii (zav.-- prof. Ye.P. Mel'man)
Stanislavskogo meditsinskogo instituta.

L 13335-66

ACC NR: AP6006028

SOURCE CODE: CZ/0053/65/014/004/0287/0287

AUTHOR: Bachur, N. R.; Masek, K.; Melmon, K.; Udenfriend, S.

ORG: Laboratory of Clinical Biochemistry, National Institute of Health, Bethesda, USA; Pharmacology Institute CSAV, Prague (Farmakologicky ustav CSAV)

TITLE: Palmitoyl ethanolamide in mammalian tissues [This paper was presented during the Twelfth Pharmacologic Days, Smolenice, 27 Jan 65.]

SOURCE: Ceskoslovenska fysiologie, v. 14, no. 4, 1965, 287

TOPIC TAGS: experiment animal, rat, radioisotope, tracer study, brain, liver, biosynthesis, gas chromatography, amine, biochemistry

ABSTRACT: Palmitoyl ethanolamide, an endogenous substance known to have anti-inflammatory and antianaphylactic properties, was detected by gas chromatography in the brain (30 g/Gm of tissue), liver (7 g/Gm), skeletal muscles (1 g) of rats and guinea pigs; C^{14} palmitic acid, C^{14} ethanolamine study confirmed the in vitro synthesis as well as previously unreported pharmacologic roles. [JPRS]

SUB CODE: 06 / SUBM DATE: none / OTH REF: 007

jw

Card 1/1

MELNALKSNIS, V.

New type of drain pipe. Gidr. 1 mel. 8 no.6:49 Jo '56.
(MLRA 9:9)

(Pipe, Concrete)

MELNALKSNIS, V.

GENERAL

PERIODICALS: VESTIS No. 2, 1953

MELNALKSNIS, V. Resources of raw carbonate mineral material of the Latvian Administrative Economic District and prospects of their further exploitation In Russian . p. 133.

Monthly list of East European Accessions (EEAI) LC, Vol. 8, No. 2,
February, 1959, Unclass.

MELNALKSNIS, V.

Calcareous tuff above the polar circle. Vestis Latv ak no.6:99-104
'61.

1. Akademiya nauk Latvyskoy SSR, Institut geologii.

(Arctic regions—Volcanic ash, tuff, etc.)

MEL'NEK, I. A.

"Functional Condition of the Liver in Botkin's Disease, and Rheumatism (in Relation to the Periods of the Disease and Methods of Treatment)." Cand Med Sci, Odessa State Medical Inst, Odessa, 1953. (RZhBiol, No 5, Nov 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (11)

SO: Sum. No. 521, 2 Jun 55

RUMANIA / Cultivated Plants. Fruit Trees. Small M-7
Fruit Trees.

Abs Jour: Ref Zhur-Biol., 1958, No 16, 73141.

Author : Melnic, Alexei.

Inst : Not given.

Title : On the Frost Resistance of Several Peach Varieties
Raised at the Shimleul Sil'vaneyey State Farm.

Orig Pub: Gradina, vai si livada, 1956, 5, No 9, 49-51.

Abstract: Of 24 peach varieties, the most sensitive to frosts proved to be the Miller Cling, Alberta, Hindenburg, "Khale" varieties. The more frost resistant proved to be the "Invingetorul" and the common peach (*Persica vulgaris* Mill.) varieties. Frost resistance of the peach depends on a compound of factors. In 35-year-old trees (Ford variety), 95-98% of the flowering buds and the 2-3 year old branches were

Card 1/2

MELNIC, Teodor

Single plan complex of sanitary and hygienic measures, important means of protection for the workers' health. Munca sindic 7 no.3:52-54
Mr '63.

1. Membru in comitetul sindicatului, responsabilul comisiei de asigurari sociale Fabrica de pielarie si incaltaminte "Dimbovita", Bucuresti.

BURASHNIKOVA, N.M.; MEL'NICHANSKAYA, A.M.; ZLOTNIKOVA, A.P.

Clinical picture and diagnosis of atypical dysentery. Sov.med.
22 no.3:18-22 Mr '58. (MIRA 11:4)

1. Iz Moskovskoy gorodskoy infektsionnoy klinicheskoy bol'nitsy
No.1 (glavnyy vrach N.G.Zaleskver, nauchnyy rukovoditel' - kandidat
meditsinskikh nauk G.M.Kapnik)

(DYSENTERY

clin. manifest. & diag. of atypical forms (Rus))

ZARETSKAYA, G.M. (Leningrad); MEL'NICHEKO, A.A. (Leningrad); FILONENKO,
N.Ye. (Leningrad)

Investigating silicon carbide formed during the smelting
of iron-silicon-chromium alloys. Izv. AN SSSR. Met. 1 gor.
delo no.4:58-62 J1-Ag '64. (MIRA 17:9)

MEL'NICHENKO, A. [Mel'nychenko, A.]

In 54 countries... Nauka i zhyttia 12 no.1:7 Ja '63. (MIRA 16:3)
(Donets Basin Machinery industry)

KARSANOV, G.V.; ODOYEVSKIY, L.S.; KHODKIN, V.I.; ZHURAVLEV, V.M.;
MEL'NICHENKO, A.A.

Preparation of chromium metal by thermochemical reduction
with silicon in electric furnaces. Stal' 22 no.2:135-137
F '62. (MIRA 15:2)
(Chromium—Electrometallurgy)

MOROZOV, A.N.; CHIRKOV, N.A.; FIRSOV, S.G.; KRASHCHENKO, L.S.; Prinsipal
uchastnye: RISPEL', K.N.; VAYNSHTEYN, O.Ya.; BUSHUYEV, A.P.;
SNFZHKO, B.Ya.; MEL'NICHENKO, A.A.; ZHURAVLEV, V.M.

Alloying open-hearth steel with exothermic ferroalloys in the
ladle. Stal' 25 no.5:412-414 My '65. (MIRA 13:6)

L 20652-66

ACC NR: AP6007637

SOURCE CODE: UR/0141/66/009/001/0135/0145

AUTHOR: Mel'nichenko, A. A.; Flyagin, V. A. 16
B

ORG: Scientific-Research Institute of Radiophysics, Gor'kiy University (Nauchno-issledovatel'skiy radiofizicheskiy institut pri Gor'kovskom universitete)

TITLE: Experimental investigation of large-space-charge trochoidal beams shaped in electric and magnetic crossed fields

SOURCE: IVUZ. Radiofizika, v. 9, no. 1, 1966, 135-145

TOPIC TAGS: electron tube, trochoidal beam, cross field tube

ABSTRACT: Field and potential variations in the interaction space caused by a trochoidal beam were determined by a method involving a thin ribbon-type probing beam (D. L. Reverdin. J. Appl. Physics, 1951, 22, 257). The experimental tube was so designed that the driving parameter was $f = 9$; the tube had a 2-mm wide ribbon Ta cathode coated with LaB_6 . Maximum current was 25-30 ma; velocity spread in the beam was kept within 4%. Distribution of the electric-field strength and potential in the anode-cathode gap was determined by the above experimental method

Card 1/2

UDC: 621.385.001 2

L 20652-66

ACC NR: AP6007637

(curves supplied). It was found that: (1) The electric-field strength at beam boundaries varies linearly with the current; with stronger magnetic fields, the electric-field-strength curve becomes steeper (with $H = 420$ oe and beam current $i = 20$ ma, the field strength above the beam was larger by 33% than with $i = 0$); (2) The anode-cathode potential and the beam kinetic energy decrease when the space charge appears; with high current values, the potential difference between the lower beam boundary and the cathode plate approaches zero; (3) Beam position in the inter-electrode space depends on current; with heavier currents, the beam center moves toward the anode. Orig. art. has: 6 figures and 3 formulas. [03]

SUB CODE: 09 / SUBM DATE: 08May65 / ORIG REF: 006 / OTH REF: 004

ATD PRESS: 4224

Card 2/2

NIKOLAYEV, D.D.; ISKRA, G.S.; MEL'NICHENKO, A.F.; MAKAREVICH, Yu.S.;
STARIKOV, A.A.; FOMOVSKIY, V.A.

Mechanization of the operations in selecting and preparing coal
samples from railroad cars in the Gorlovka Coke and Chemical Plant.
Koks i khim. no. 2:6-10 '63. (MIRA 16:2)

1. Ukrinsugol' (for Nikolayev). 2. Gorlovskiy koksokhimicheskiy
zavod (for Iskra, Mel'nichenko). 3. Dongiprouglemash (for Markarevich,
Starikov, Fomovskiy).

(Gorlovka—Coke industry—Equipment and supplies)

CHERNOV, N. N. (Kiyev); MEL'NICHENKO, A. I.

Rail welding on the track. Put' 1 put. khoz. 6 no.8:28-29 '62.
(MIRA 15:10)

1. Nachal'nik Kiyevskoy distantzii puti (for Mel'nichenko).

(Railroads--Rails--Welding)

MEL'NICHENKO, A.I., inzh.; GLEYZEROV, A.V., inzh.-mekhanik (Kiyev)

Spraying machine. Put' i put. khoz. 9 no.10:25-26 '65.
(MIRA 18:10)

1. Nachal'nik Kiyevskoy distantssi puti (for Mel'nichenko).

BELYKH, K.D.; kand. tekhn. nauk (Dneprodzerzhinsk); TLEUGABYLOV, Zh.Kh. (Rudnyy); KOSTYUCHENKO, K.I. (Rudnyy); SOLENTSOV, A.S. (Rudnyy); MEL'NICHENKO, A.I.; GLEYZEROV, A.V., inzh.-mekhanik; ZDOROVENKO, L.P., mostovoy master

Cleaning tracks with jet snow plows. Put' i put. khoz. 9 no.1:34-36
'65 (MIRA 18:2)

1. Dnepropetrovskiy metallurgicheskiy kombinat (for Belykh).
2. Nachal'nik konstruktorskogo otdela Sokolovsko-Sarbayskogo gornoobogatitel'nogo kombinata (for Treugabylova).
3. Starshiy inzh. Sokolovsko-Sarbayskogo gornoobogatitel'nogo kombinata (for Solentsov).
4. Nachal'nik Kiyevskoy distantсии puti (for Mel'nichenko).
5. Kiyevskaya distantsiya puti (for Gleyzerov).
6. Nachal'nik otdela mekhanizatsii sluzhby puti Pribaltiyskoy dorogi, Riga (for Tershovskiy).
7. Darnitskaya distantsiya puti Yugo-Zapadnoy dorogi (for Zdorovenk).

1. MEL'NICHENKO, A. K.
2. USSR(600)
4. Drugs
7. Plea for improvement of quality of drugs prepared in pharmacies. Apt. delo 2 No. 1, 1953.

9. Monthly List of Russian Accessions, Library of Congress, June 1953. Unclassified.

MEL'NICHENKO, A.K.

Raise the level of the organization of work of pharmacies. Apt.delo 2 no.5:
11-20 S-0 '53. (MLRA 6:10)
(Drugstores)

MEL'NICHENKO, A. K.

"Materials on planning the management and finance of pharmacies."
Reviewed by A. K. Mel'nichenko. Apt.delo 4 no.1:54-56 Ja-F '55
(MIRA 8:4)

(DRUGSTORES)

MEL'NICHENKO, A.^K. redaktor

Review of letters on the article by Pharmacist M.G. Flekser' on
new methods of prescription, dosage, and preparation of mixture
and drops. Apt.delo 4 no.3:31-35 My-Je '55. (MLRA 8:8)

(DRUGS,

mixtures & drops, prescriptions, dos. & prep.)

MEL'NICHENKO, A.K., redaktor.

More about the work of pharmacies. Apt. delo. 4 no.6:33-34 H-D '55.
(MLRA 9:1)

(PHARMACY,
in Russia, organiz.)

MEL'NICHENKO, A.K.; OBOYMAKOVA, A.H.; SENOV, P.L.

Trip to the sixteenth general assembly of the International
Pharmaceutical Society in Great Britain. Apt. delo 5 no.1:50-55
Ja-F '56. (MLRA 9:5)

(PHARMACY--CONGRESSES)

MELNICHENKO, H. K.

SHIMANKO, A. I.; MELNICHENKO, H. K.

[Organization of pharmaceutical work] Organizatsiia farmatsevticheskogo dela. Moskva, Medgiz, 1957. 293 p. (MIRA 10:11)
(PHARMACY)

YERMAKOV, V.V.; MEL'NICHENKO, A.K.; POPOV, G.A.

Status and prospects for the training of pharmaceutical personnel
in the U.S.S.R. Apt.delo 8 no.3:31-38 My-Je '59.

(MIRA 12:8)

(PHARMACY--STUDY AND TEACHING)

MEL'NICHENKO, A.K.

Development of pharmaceutical service. Apt.delo 8 no.6:3-8 H-D '59.
(MIRA 13:4)

(PHARMACY)

SENOV, P.L., prof.; ~~MEL'NICHENKO, A.K.~~

Recommendations on the preparation of a plan for research in
1961-1962 on problem No.47. Apt.dele 9 no.2:6-11 Kr-Ap '60.

(MIRA 13:6)

1. Predsedatel' problemnoy komissii No.47 Akademii meditsinskikh
nauk SSSR (for Senov). Direktor Tsentral'nogo aptechnogo nauchno-
issledovatel'skogo instituta (for Mel'nichenko).

(PHARMACUTICAL RESEARCH)

SHIMANKO, Aleksandr Il'ich; MEL'NICHENKO, Afanasiy Kondrat'yevich;
GUBOCHKINA, I.K., red.; BUL'DYAYEV, N.A., tekhn.red.

[Organization of pharmaceutical service] Organizatsiia
farmatsevticheskogo dela. Izd.2., perer. i dop. Moskva,
Medgiz, 1961. 355 p. (MIRA 14:12)
(PHARMACY)

MEL'NICHENKO, A.K.; BELOUSOVA, A.G.; KUZ'MINA, A.A.; SHANINA, S.V.

Pay more attention to the study of the geographical distribution of
wild medicinal plants. Apt. delo 10 no.3:14-19 My-Je '61.
(MIRA 14:7)

(BOTANY, MEDICAL)

DZHAVADOV, R.B.; MURAV'YEV, I.A.; MEL'NICHENKO, A.K.; ALIYEV, R.K.

All-Union Scientific Conference of Pharmacists. Apt. delo 10 no.6:
3-9 N-D '61. (MIRA 15:2)

(BOTANY, MEDICAL CONGRESSES)

GUBOCHKINA, I.K.; SOKOLOV, A.S.; MEL'NICHENKO, A.K., otv. red.;
LYUDKOVSKAYA, N.I., tekhn. red.

[Manual of basic directives in pharmacy] Spravochnik osnov-
nykh rukovodiashchikh dokumentov po aptechnomu delu. Otv. red.
A.K.Mel'nichenko. Sost.I.K.Gubochkina, A.S.S.Sokolov. Moskva,
Medgiz, 1962. 514 p. (MIRA 15:7)

1. Russia (1923- U.S.S.R.) Ministerstvo zdravookhraneniya.
(Pharmacy—Laws and legislation)

MEL'NICHENKO, A.K. ; BOBOVICH, Yu.I., mladshiy nauchnyy sotrudnik; KOGAN, A.P., mladshiy nauchnyy sotrudnik

Optimal standards for the turnover of merchandise, the filling of prescriptions for outpatient polyclinics and some organizational forms for drug service to the population. Sbornik nauch. tr. TSANII 3:5-19 '62. (A 16.1)

1. Direktor TSentral'nogo aptechnogo nauchno-issledovatel'skogo instituta (for Mel'nichenko). 2. Otdel organizatsii i ekonomiki aptechnogo dela TSentral'nogo aptechnogo nauchno-issledovatel'skogo instituta (for Bobovich, Kogan).

MEL'NICHENKO, A.K.; ALIYEV, R.K. (Baku); MURAV'YEV, I.A. (Pyatigorsk)

International Symposium of the Socialistic Countries on the
Technology of Pharmacy, Construction and Organization of
Pharmaceutical Activity. Apt. delo 12 no.2:83-87 Mr-Ap '63.
(MIRA 17:7)

1. Zamestitel' redaktora zhurnala "Aptechnoye delo", (Moskva.
D-22, ul. 1905 goda, 8. Medgiz, D-2 o5-11) (for Mel'nichenko).

KUDRIN, A.N.; MEL'NICHENKO, A.K.

Development of research concerning an increase in the release
of prepared compound medicines. Apt. delo 12 no. 5:14-17 S-0'63
(MIRA 16:11)

1. Farmatsevticheskiy fakul'tet I Moskovskogo ordena Lenina
meditsinskogo instituta imeni I.M. Sechenova, i Tsentral'nyy
Aptechny nauchno-issledovatel'skiy institut.

✱

MEL'NICHENKO, A.K.

Fundamental trends of the further development of pharmacy in
the U.S.S.R. Sbor. nauch. trud. TSANII 4:5-19 '63
(MIRA 17:3)

1. Direktor TSentral'nogo aptechnogo nauchno-issledovatel'sko-
go instituta.

MURAV'YEV, I.A.; MEL'NICHENKO, A.K.

In memory of Professor Lajos Winkler; scientific conference
in Budapest. Apt. delo 12 no.6:69-73 K-D '63.
(MIRA 17:2)

MEL'NICHENKO, A. I.

Planning the development of pharmacy in 1960-1970. Apt. 1960-1970
no. 1:3-6 Ja-F '64. (SIRA 1714)

1. Tsentral'nyy apteknyy nauchno-issledovatel'skiy institut,
Moskva.

BLAGOVIDOVA, Yu.A., dots., otv. red.; MEL'NICHENKO, A.K., zam.
otv. red.; GAMMERMAN, A.F., prof., red.; KUTUMOVA, Ye.N.,
red.; SEDOVA, K.D., kand. farm. nauk, red.; SENOV, P.L.,
prof., red.; SIDORKOV, A.M., red.; STETSYUK, A.M., red.;
SHILOV, Yu.M., kand. farm. nauk, red.; KHALETSKIY, A.M.,
prof., red.

[Materials of the Second All-Union Conference of Pharma-
cists] Materialy Vtoroi Vsesoiuznoi konferentsii farma-
tsevtov. Moskva, Medgiz, 1961. 394 p. (MIRA 17:7)

1. Vsesoyuznaya konferentsiya farmatsevtov, 2d, Leningrad, 1959.
2. ~~Kafedra tekhnologii lekarny~~ I Moskovskogo meditsinskogo in-
stituta im. I.M.Sechenova (for Blagovidova).
3. Direktor
Tsentral'nogo aptechnogo nauchno-issledovatel'skogo insti-
tuta (for Kutumova).
4. Zaveduyushchiy kafedroy farmatsevti-
cheskoy I Moskovskogo meditsinskogo instituta imeni
I.M.Sechenova (for Senov).
5. Zamestitel' direktora po na-
uchnoy chasti Tsentral'nogo aptechnogo nauchno-issledovatel'-
skogo instituta (for Shilov).

MEL'NICHENKO, A.K.; KOROLEVA, M.G.; KUZ'MINA, A.A.; SHANINA, S.V.

Basic scientific problems in the field of pharmacy. Apt. del.
11 no.5:3-9 S-C '62. (MIRA 17:5)

0150-0520/4111

MELNICHENKO, A.K., Central Pharmaceutical Research Institute,
Ministry of Health of the USSR, Moscow.

"Basic Trend in the Development of Pharmaceutical Service in the
Socialist Countries."

Prague, Ceskoslovenska Farmacie, Vol XII, No 7, September 63,
pp 337-341.

Abstract: This paper was submitted to the First Symposium of
Socialist Countries in Sofia, 25 to 27 September 1962. It con-
tains a review of fundamental facts on the health service and
pharmacy in the European socialist countries, including the
Soviet union, and some comparative data on the situation in the
USA. Types of pharmacies in the Soviet union are described.

1/1

4

BARATOV, R.B.; BAGDASARYAN, G.P.; MEL'NICHENKO, A.K.; GUKASYAN, R.Kh.

Absolute age of the biotites of porphyry like granites in the
Varzob Basin (southern Gissar Range). Dokl. AN Tadzh. SSR 6
no.5:28-30 '63. (MIRA 17:4)

1. Institut geologii AN Tadzhikskoy SSR. 2. Chlen-korrespondent
AN Tadzhikskoy SSR (for Baratov).

MEL'NICHENKO, A.F.

Use of fertilizers as a basis for increasing crop yields.
Zemledelie 25 no.11:69-72 N '63. (MIRA 17:2)

1. Glavnyy agronom Bershadskogo proizvodstvennogo uprav-
leniya, Vinnitskoy oblasti.

MEL'NICHENKO, A. N.

Mel'nichenko, A. N. - "Bumblebees, pollinators of clover, and the possibility of directing their activity for economic purposes," Byulleten' Mosk. o-va ispytateley prirody, Otd. biol., 1948, Issue 6, p. 13-27 --- Bibliog: 33 items

So: U-3566, 15 March 53, (Letopis 'Zhurnal 'nykh Statey, No. 13, 1949)

MEL'NICHENKO, A. N.

"On instances of facultative parasitism of queen bees",

Authors: A. N. Mel'nichenko, V. N. Dmitriyeva, E. A. Filimonova, and T. N. Chirkina,
(In Index; third author: Filimonova, Z. A.), Uchen. zapiski Gor'k. gos. un-ta,
Issue 14, 1949, p. 73-79, - Bibliog: 12 items.

1. MEL'NICHENKO, A. N.
2. USSR (600)
4. Honey Plants
7. Seasonal plan regarding flowers of farm honey plants. Dokl. Ak. sel'khoz. 18 no.11 1952.
9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

MEL'NICHENKO, A. N.

TSvetochnonektarnyi konveier i upravlenie medosborom /Honey flower supply and regulation of
honey gathering/. Gor'kii, 1953. 159 p

SO: Monthly List of Russian Accessions, Vol 6 No 8 November 1953

MEL'NICHENKO, A.N.

The Committee on Stalin Prizes (of the Council of Ministers USSR) in the fields of science and inventions announces that the following scientific works, popular scientific books, and textbooks have been submitted for competition for Stalin Prizes for the years 1952 and 1953. (Sovetskaya Kultura, Moscow, No. 22-40, 20 Feb - 3 Apr 1954)

<u>Name</u>	<u>Title of Work</u>	<u>Nominated by</u>
MEL'NICHENKO, A.N.	"The Flower Nectar Conveyor and the Management of the Honey Flow"	Gor'kiy State University

SO: W-30604, 7 July 1954

MEL'NICHENKO, A.N., prof.

Induced mutation of characteristics in queen bees and drones by rearing in the colony of another race. Agrobiologiya no.1:55-65
Ja-F '62. (MIRA 15:3)

1. Cor'kovskiy gosudarstvennyy universitet imeni N.I.Lobachevskogo
Chlen-korrespondent Vsesoyuznoy akademii sel'skokhozyaystvennykh
nauk imeni Lenina.

(Bee culture)

ALPATOV, V.V., prof.; MEL'NICHENKO, A.N., prof.; ZAYTSEV, G.P., prof.;
VINOGRADOVA, T.V., prof.; ARTEMOV, N.M., dotsent; PORYADIN, V.T.,
kand.med.nauk

How not to popularize the experience of popular medicine and the
achievements of medical science; the popular scientific works of
N.P.Ioirisha on bee honey and venom. Sov.med. 26 no.7:154-158
Jl '62. (MIRA 15:11)

(MEDICINE, POPULAR) (BEE VENOM) (HONEY)

MEL'NICHENKO, A. N.

Shelterbelts in steppes of the trans-Volga and their influence on the reproduction of animals beneficial and harmful to agriculture. Moskva, Moskovskoe obshchestvo ispytatelei prirody, 1949. 359 p.

MEL'NICHENKO, A.N.

Zonal and climatic changes in the habitat of animals as a factor in evolution. Uch.zap.Gor'.un. no.19:95-104 '51. (MLBA 6:6)
(Evolution) (Zoology--Ecology)

MEL'NICHENKO, A.

Insects - Biology

Zonal climactic changes in habitats of insects as factor in evolution. Zool. zhur.
31 no. 1, 1952.

Monthly List of Russian Accessions, Library of Congress, March 1952. UNCLASSIFIED.

MEL'NICHENKO, A.N.

Let's welcome befittingly the plenum of the Central Committee
of the CPSU. Svinovodstvo 13 no.11:9-10 N '59.
(MIRA 13:2)

1. Glavnyy zootekhnik Kagarlykaskoy rayssel'khozinspektsei,
Kiyevskoy oblasti.
(Kagarlyk District--Swine)

MEL'NICHENKO, A.N.

Geographical changeability of the eye of the honeybee *Apis mellifera* L. (Hymenoptera, Apidae) and sunlight. Ent. oboz. 42
no.1:118-126 '63. (MIRA 16:8)

1. Gor'kovskiy gosudarstvennyy universitet, g. Gor'kiy.
(Eye) (Bees) (Light--Physiological effect)

MEL'NICHENKO, A.N.

Achievements of Soviet sericulturists and silkworm breeders.
Agrobiologiya no.2:297-298 Mr-Apr '65. (MIRA 18:11)

1. Predsedatel' prezidiuma soveshchaniya shelkovodov, chlen-korrespondent Vsesoyuznoy akademii sel'skokhozyaystvennykh nauk imeni V.I. Lenina.

MEL'NICHENKO, A.V.

SMIRNOVA-ZAMKOVA, O.I.; MEL'NICHENKO, A.V., nauk. spivrobitnik

Pathological morphology and pathogenesis of war sepsis. Medych.
zhur. 17:386-402 '47. (MIRA 11:1)

1. Z viddilu patologichnoi anatomii (zav. viddilu - chl-kor .
O.I.Smirnova-Zamkova) Institutu klinichnoi fiziologii AN URSR
(direktor - akad. O.O.Bogomolets') i Ukrainsk'kogo institutu
klinichnoi meditsini (direktor - akad. M.D.Strazhesko)
(ANATOMY, PATHOLOGICAL) (WOUNDS)

MEL'NICHENKO, A.V.

"Morphologic Changes in the Internal Organs of Animals under the Influence of Radiation" p. 169 in the book Experience in the Use of Radioactive Isotopes in Medicine R. Ye. KAVETSKIY and I.T. SHEVCHENKO, publishing House of the UKRAINIAN SSR, KIEV 1955, represents medical transactions of a conference held in KIEV from 18-20 January 1954.

So: 1100235

EXCERPTA MEDICA Sec.16 Vol.6/2 Cancer February 53

~~MELNICHENKO, A. V.~~

490. *The clinical and morphological picture of radiation injuries following application of radioactive phosphorus to the skin of rats (Russian text)* MELNICHENKO A. V. and ZHOGA N. A. *Vrac. Delo* 1956, 10 (1019-1022)

Eighteen rats were subjected to the application of radioactive P to the body (total area 230-260 sq.cm., strength from 13,000 to 20,000 r.e.p. per hour; duration of action 2-5 hr.). The animals were sacrificed and examined after various intervals of time. On the 3rd day the rats showed dryness of the upper respiratory tract, conjunctivitis, rhinitis; on the 8-10th day the animals became aggressive, excited, easily frightened and showed some loss of appetite. Diarrhoea appeared on the 21st day. Loss of weight began from the 4th day. Changes characteristic of radiation effects were seen in the skin, blood, haemopoietic organs, lymph nodes and blood vessels. Thus local application of non-deeply penetrating β -radiation produces manifestations of general radiation reaction as the result of neuro-humoral effect from the skin. Small amounts of radioactive P could be found in the blood, spleen, liver and bones. It may be supposed that it is absorbed through the skin. It may also be inhaled during irradiation, and may gain access inside as the result of the animals licking the fur in those places where the applicator had been attached. The authors ascribe the basic role in the pathogenesis of radiation illness to the ionization of the integuments.

MEL'NICHENKO, A. V., Doc Med Sci -- (diss) "Significance of ~~the~~
~~changes~~ of Basic Argyrophil Substance in Tuberculosis (According
to Experimental Data)." Kiev, 1957. 13 pp (Min of Health Ukr
SSR, Kiev Order of Labor Red Banner Medical Inst im Academician
A. A. Bogomolets), 100 copies (KL, 48-57, 109)

- 62 -

SMIRNOVA-ZAMKOVA, A.I. [Smyrnova-Zamkova, O.I.]; MEL'NICHENKO, A.V.
[Mel'nychenko, H.V.]

The basic substance, its composition and functional significance.
Fiziol. zhur. [Ukr.] 7 no.2:277-283 Mr-Apr '61. (MIRA 14:4)

1. Institut fiziologii im. A.A.Bogomol'tsa Akademii nauk USSR,
Kiyev.

(BIOCHEMISTRY)

SMIRNOVA-ZAMKOVA, A.I. [Smyrnova-Zamkova, O.I.]; MEL'NICHENKO, A.V.
[Mel'nychenko, H.V.]

Development of A.A.Bogomolets's theory of the physiological system
of connective tissues and "collagenosis." Fiziol. zhur. [Ukr.] 7
no.3:333-342 My-Je '61. (MIRA 14:5)

1. Institut fiziologii im. A.A.Bogomol'tsa AN USSR, Kiyev
(BOGOMOLETS, ALEKSANDR ALEKSANDROVICH, 1881-1946)
(COLLAGEN DISEASES)

MAKARCHENKO, A.F. [Makarchenko, O.F.]; PASTERNAK, M.N.; DINABURG, A.D.
[Dynaburh, H.D.]; MEL'NICHENKO, A.V. [Mel'nychenko, H.V.]

Role of the influenza virus in the development of diseases of
the nervous system. Fiziol. zhur. [Ukr.] 7 no.6:732-744 N-D
'61. (MIRA 15:3)

1. Otdel nevrologii i neyrofiziologii Instituta fiziologii
im. A.A. Bogomol'tsa AN USSR, Kiyev.
(INFLUENZA)
(BRAIN--DISEASES)

MAKARCHENKO, A.F. [Makarchenko, O.F.]; PASTERNAK, M.N.; DINABURG, A.D.;
MEL'NICHENKO, A.V. [Mel'nychenko, H.V.]; KLEBANOVA, L.B.

Experimental allergic encephalomyelitis. Fiziol. zhur.
[Ukr.] 8 no.3:292-308 My-Je '62. (MIRA 15:6)

1. Otdel nevrologii i nevrofiziologii Instituta fiziologii
im. Bogomol'tsa AN USSR, Kiyev.
(ENCEPHALOMYELITIS)
(ALLERGY)

MAKARCHENKO, A.F.; DINABUEG, A.D.; PASTERNAK, M.N.; MEL'NICHENKO, A.V.

Experimental allergic encephalomyeloradiculitis. *Zhur. nevr.*
i psikh. 62 no.3:361-366 '62. (MIRA 15:3)

1. Otdel nevrologii i neyrofiziologii Instituta fiziologii
imeni A.A. Bogomol'tsa (dir. - prof. A.F. Makarchenko) AN USSR,
Kiyev.

(NERVES, SPINAL—DISEASES)
(ENCEPHALOMYELITIS) (ALLERGY)

MELENICHENKO, A.V. [Melnychenko, A.V.]

Role of the ground substance in permeability and immunity. Fiziol. zhur. [Ukr.] 9 no.2:203-208 Apr 1963.

(MIRA 18:3)

1. Laboratoriya morfologii nervnoy sistemy Instituta fiziologii im. A.A. Bogomolets AN UkrSSR, Kiev.

KOVALEV, M.M., prof.; YANKOVSKIY, V.D., doktor med. nauk; MEL'NICHENKO, A.V.;
IVANOVA, N.A., kand. med. nauk; TEPLYI, V.K.

Prevention and therapy of frostbite with anticoagulants. Vest.
khir. no.10:74-81 '64. (MIRA 19:1)

1. Iz gospital'noy khirurgicheskoy kliniki (zav. - prof. M.M. Kovalev) Kiyevskogo meditsinskogo instituta imeni Bogomol'tsa (rektor - prof. V.D. Bratus') i laboratorii kosmicheskoy fiziologii imeni Bogomol'tsa (dir. - akademik AN UkrSSR A.F. Makarchenko) AN UkrSSR.

MEL'NICHENKO, B.P., provizor, SOL'TS, L.M.

Evaluation of the problem of silent control in pharmacies of
medical institutions. Apt.delo 4 no.3:55-58 My-Je '55. (MLRA 8:8)

1. Predsedatel' Dneprodzerzhinskogo filiala Dnepropetrovskogo
otdeleniya Vsesoyuznogo nauchnogo farmatsevticheskogo obshchestva.
(for Mel'nichenko) 2. Kontrol'no-analiticheskaya laboratoriya
Khar'kovskogo oblastnogo aptechnogo urpavleniya GAPU USSR(for Sol'ts)
(PHARMACY,
in Russia, control)

MEL'NICHENKO, B.P., provizor (Dneprodzerzhinsk, USSR)

Strengthen the bond between theory and praxis. Apt. delo 5 no.1:
47-48 Ja-F '56 (MLBA 9:5)

(PHARMACY)

MEL'NICHENKO, B.P.

Ties between pharmacies and sections of medical institutions. Farmatsev.
zhur. 18 no.2:78-81 '63. (MIRA 17:10)

1. Upravlyayushchiy aptokoy Pervoy gorodskoy bol'nitsy Dneprodzerzhinska.

ACC NR: AP7000340

(A,N)

SOURCE CODE: UR/0413/66/000/022/0102/0103

AUTHOR: Katys, G. P.; Karasik, L. L.; Il'inskiy, V. M.; Mel'nichenko, B. Ye.; Ivanov, G. S.

ORG: none

TITLE: Mass flowmeter. Class 42, No. 188696

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 22, 1966, 102-103

TOPIC TAGS: flow meter, flow measurement, flow, flow analysis

ABSTRACT: An Author Certificate has been issued for a mass flowmeter consisting of two engine-driven straight-blade vanes, a stream-guide device with spring-loaded blades, and a signaling unit. To increase the instrument's measurement range and reduce its power requirements and weight, the stream-guide device is equipped with a group of blades consisting of elastic plates located in the output portions of the flat blades, with one end hinged and the other end spring-loaded. Orig. art. has: 1 figure.

SUB CODE: 20/ SUBM DATE: 17Aug65

Card 1/1

UDC: 681.121.8:531.75

MEL' NICHENKO, D.M.

56-4-47/52

AUTHOR
TITLE

DAVYDOV, A.S., MEL'NICHENKO, D.M.

On the Second Approximation in the Problem of the Scattering of Slow Neutrons By Coupled Protons

(O vtorom priblizhenii v zadache rasseyaniya medlennykh neytrenov svyazannymi protunami. Russian)

PERIODICAL

Zhurnal Eksparim. i. Teoret. Fiziki, 1957, Vol 32, Nr 4, pp 941 - 943 (U.S.S.R.)

ABSTRACT

First of all the paper under review refers to some relevant previously published papers. Then it proceeds to investigate the convergence of the second approximation in the problem of the scattering of a slow ($E \sim 0$) neutron by a proton situated in the formation of a molecule of the mass M . First of all, the paper under review puts down a formula for the scattering matrix T_{ba} for neutrons of the energy zero, - the accuracy of this formula includes the second approximation. In the theory devised by Schwinger-Lippmann, the second approximation diverges at the consideration of the scattering of a neutron by a harmonically bound proton. The author of the paper points out a bringing about of convergence which, in his opinion, is not justified from a mathematical point of view. But the above-mentioned second approximation converges always then, when the wave functions of the real molecules (instead of the wave functions of idealized systems) are used. In a real molecule the high excited states correspond to the decaying system. The corresponding expression is written in its explicit form in the paper under review. Even if the energy

Card 1/2

MEL'NICHENKO, D. Ye

AUTHOR: Mel'nichenko, D.Ye. (D.Yu.) 21-5-19/26

TITLE: A New Profile of a Vacuum Spillway Dam (Novyy profil' vakuumnoy plotiny)

PERIODICAL: Dopovidi Akademii Nauk Ukrain's'koi RSR, 1957, Nr 5, pp. 502-504 (USSR)

ABSTRACT: The author has carried on studies on various profiles of spillway dams in the hydraulic laboratory of the Ukrainian Agricultural Academy. As a result, two profiles were designed, Nr 3 and Nr 4, which possess the best discharge capacities (coefficient of spillway discharge) and vacuum coefficients (the ratio of the vacuum value to the pressure at the spillway top). In addition to these two profiles, the profile of Krieger-Offitserov and the profile of Rebock were investigated. In comparison with the latter, the profile Nr 4 has a disadvantage which consists in an unfavorable distribution of the vacuum zone at the top of the spillway dam. This drawback can be eliminated by means of antivacuum pipes which connect the vacuum zone with the upper water. Using this method with profile Nr 4, one can reach the vacuum coefficient as low as 0.3 and the discharge coefficient as high as 0.565. These results can be used in designing more rational profiles for the

Card 1/2

A New Profile of a Vacuum Spillway Dam

21-5-19/26

spillway dams.

The article contains 4 figures, 1 table and 5 references, 4 of which are Slavic.

ASSOCIATION: Ukrainian Agricultural Academy (Ukrains'ka sil's'kospodars'ka akademiya)

PRESENTED: By G.I. (H.I.) Sukhomel, Member of the AN Ukrainian SSR

SUBMITTED: 16 January 1957

AVAILABLE: Library of Congress

Card 2/2

MEL'NICHENKO, D.E

AUTHOR: Mel'nichenko, D.E., Dotsent

3-1-15/32

TITLE: The Laboratory of a Vuz Helps Production (Laboratoriya vuza pomogayet proizvodstvu)

PERIODICAL: Vestnik Vysshey Shkoly, 1958, # 1, pp 51-52 (USSR)

ABSTRACT: The Laboratory of Hydraulics of the Ukrainian Agricultural Academy (Ukrainskaya sel'skokhozyaystvennaya akademiya) in co-operation with the Ukrainian branch of "Giprosel'elektro" has for a number of years participated in examining the profiles of vacuum dams of hydroelectric plants which are designed or being built.

As is known, the use of vacuum profiles enables to increase substantially the dams' passing capacity and to reduce considerably the size of the stone-work as compared with the profile of the Kriger-Ofitserov non-vacuum dam. However, the dam's vacuum should not be extensive as it is accompanied by the phenomena of cavitation and corrosion of the spillway's surface, the scale of which is directly dependent on the size of the vacuum. The development of more rational vacuum profiles of spillway dams with a small vacuum is of considerable scientific and practical importance, and the Laboratory's present aim. As a result of more than 500 examinations of

Card 1/3

The Laboratory of a Vuz Helps Production

3-1-15/32

spillway dams with various profiles 2 optimum profiles on the passing capacity (coefficient m of the spillway's consumption) and on the coefficient of vacuum were found out.

The virtues of both profiles, selected by the Laboratory, as compared with the existing vacuum profiles of the Rebok dam and the Kriger-Ofitserov non-vacuum dam are as follows: One of the profiles, having an equal cross section with the profile of Rebok, yields a higher coefficient in the spillway's consumption $m = 0.565$ and 0.558 (39, 48 and 39.06 liter/sec) and the vacuum coefficient is twice as small $\sigma = 0.66$ and 1.326 where $\sigma = \frac{h_{vac}}{H_0}$ (relationship of the size of the vacuum h_{vac} is the pressure to the crest of the dam H_0).

Still better results are obtained from the second profile (the consumption coefficient increases up to 0.582 and the vacuum coefficient decreases to 0.3). The second profile has also proved its technical preferences. It was introduced in the Ladyzhinka GES dam, and the Ukrainian branch of "Giprosel'-elektro" achieved an economy in concrete of 26% in pouring the body of the dam. Besides this, the large passing capacity of

Card 2/3

The Laboratory of a Vuz Helps Production

3-1-15/32

this profile made it possible to shorten the dam's length by 10 linear meters. The application of this profile yields also a considerable economy in cost.

Using the technical data received from "Giprosel'elektro", the dotsents M.V.Lavrent'yev and A.V.Gorelkin have prepared new training aids for the students.

There is 1 photo.

ASSOCIATION: Ukrainian Agricultural Academy (Ukrainskaya sel'skokhozyayst-vennaya akademiya)

AVAILABLE: Library of Congress

Card 3/3

MEL'NICHENKO, D.Ye., kand.tekhn.nauk dots.

Laboratory of the vacuum dam profile. Izv.vys.ucheb.zav.;
energ. 2 no.6:117-121 Je '59. (MIRA 13:2)

1. Ukrainskaya akademiya sel'skokhozyaystvennykh nauk.
Predstavlena kafedroy gidravliki i teplotekhniki
(Dams)